

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/760,123	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:10
L2	50	Spencer Brian	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:10
L3	46	Verma Inder	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:18
L4	5208	lentivir\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:11
L5	2739	gp41	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:11
L6	2968	influenza hemagglutinin	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:12
L7	5339	CD40	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 16:18
L9	209	I4 and I5 and I6 and I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:16
L10	46	I9 and I2 OR I3	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:13
L11	1	I4 I5 I6 I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	ON	2005/09/14 15:14
L12	502	pseudotype	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:16
L13	194	I12 and I4	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:16
L14	13	I13 and I6	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 15:16

L15	25	CD40 transmembrane	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 16:18
L16	3	I15 and I4	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 16:19
L17	2	WO "2004067710"	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/09/14 17:07
L19	13	I4 I6 I2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2005/09/14 17:07

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(FILE 'HOME' ENTERED AT 16:21:30 ON 14 SEP 2005)

FILE 'MEDLINE, CANCERLIT, AGRICOLA, CAPLUS, SCISEARCH' ENTERED AT
16:21:38 ON 14 SEP 2005

L1 13685 S LENTIVIR? OR HIV(5W)VECTOR OR SIV(5W)VECTOR
L3 378 S CD40 (L) TRANSMEMBRANE
L4 7247 S GP41
L5 0 S L1 (L) L3 (L) L4
L6 1 S L1 (L) L3
L7 37880 S HEMAGGLUTININ
L8 195 S L7 (L) L4
L9 146 DUP REM L8 (49 DUPLICATES REMOVED)
L10 5 S L9 AND L1
L11 5 SORT L10 PY
L12 137 S L9 AND (CHIMER? OR FUSION OR FUSOGEN?)
L13 137 FOCUS L12 1-
L14 2 S L13 AND PSEUDO?
L15 19 S L13 AND (HEMAGGLU? (S) GP41)
L16 19 SORT L15 PY
E VERMA INDER?/AU
L17 404 S E1
E SPENCER BRIAN?/AU
L18 1 S E1
L19 0 S L17 AND L9
L20 1 S L17 AND L3
L21 16 S L1 (L) L7 (L) PSEUDO?
L22 8 DUP REM L21 (8 DUPLICATES REMOVED)
L23 8 SORT L22 PY

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L20 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Compositions and methods for tissue specific targeting of lentivirus
vectors and uses for gene transfer
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
IN Verma, Inder M.; Marr, Robert; Spencer, Brian J.
AB The invention provides a lentiviral vector containing an attachment
incompetent fusogenic polypeptide and a heterologous targeting
polypeptide. Also provided is a lentiviral packaging construct. The
construct contains a nucleic acid encoding trans-acting factors sufficient
for lentiviral vector generation and an attachment incompetent fusogenic
polypeptide. A lentiviral packaging system having at least two nucleic
acid vectors is further provided. The lentiviral packaging system
consists of a first nucleic acid vector comprising a packaging construct
encoding a trans-acting factor for lentiviral vector generation, and a
second nucleic acid vector encoding an attachment incompetent fusogenic
polypeptide, said at least two vectors together encoding trans-acting
factors sufficient for lentiviral vector generation. The invention addnl.
provides a lentiviral gene delivery system having at least three nucleic
acid vectors. The gene delivery system consists of: a first nucleic acid
vector comprising a packaging construct encoding a trans-acting factor for
lentiviral vector generation; a second nucleic acid vector comprising a
fusogenic construct encoding an attachment incompetent fusogenic
polypeptide, and a third nucleic acid vector comprising a lentiviral
vector genome encoding lentiviral cis sequences sufficient for vector
genome transduction, said at least three vectors together encoding
trans-acting factors sufficient for lentiviral vector generation.
Finally, methods of transducing a cell and methods of targeting a gene to
a cell or tissue using the lentiviral vectors and systems of the invention
are also provided.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004067710	A2	20040812	WO 2004-US1109	20040116
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES,				

ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN,
IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC,
LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX,
MZ, MZ, NA, NI

US 2005003547

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US 2004-760123

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